

UNITED STATES LAND MANAGEMENT
DEPARTMENT OF THE INTERIOR
OIL & GAS OPERATIONS
GEOLOGICAL SURVEY RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL

WELL ☒

GAS

WELL ☐

OTHER

SINGLE

ZONE ☐

MULTIPLE

ZONE ☐

2. NAME OF OPERATOR

AMOCO PRODUCTION COMPANY

3. ADDRESS OF OPERATOR

P.O. Box 17675 Salt Lake City, Utah 84117

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1218' FNL & 1078' FEL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

1078'

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED
TO THIS WELL18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

5000'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

7989' GR

22. APPROX. DATE WORK WILL START*

March 21, 1982

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	32.3#	1600'	circulated to surface*
8 1/2"	7"	20#-23#	5000'	to be determined by logs

*to be set below water flows
and any lost circ. zones

PROPOSE TO TEST FOR HYDROCARBON POTENTIAL

(See Attachments)

(Request exception to Rule C-3(c), General Rules and Regulations for State of Utah -
subject well to be drilled as offset to #1 site based on geological interpretations.
Amoco owns or controls all acreage within a 660' radius of the proposed site)

**TIGHT
HOLE**

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE

Administrative Supervisor

DATE

3-5-82

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

E. W. Gynn

District Oil & Gas Supervisor

DATE

APR 9 1982

CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPY

*See Instructions On Reverse Side

FLARING OR VENTING OF
GAS IS SUBJECT TO NTL 4-A
DATED 1/1/80

STATE O & G

Production Facilities and Flowline NOT Approved

Identification No. 212-82

United States Department of the Interior
Geological Survey
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator Amoco PRODUCTION Co.

Project Type Oil Well

Project Location 1218' FNL, 1078' FEL SEC 26, T4S, R12W, USM

Well No. 2 Lease No. U-16999

Date Project Submitted 3-9-82

FIELD INSPECTION

Date WAIVED BY MMS AND USFS

Field Inspection
Participants

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

4/5/82
Date Prepared

George J. Dzwachak
Environmental Scientist

I concur

APR 06 1982
Date

W. J. Martin
District Supervisor

FOR E. W. GUYNN
DISTRICT OIL & GAS SUPERVISOR

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Federal/State Agency			Local and private corre- spondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Corre- spondence (date)	Phone check (date)	Meeting (date)						
1. Public health and safety	1 (4-2-82) ↓				9				4
2. Unique charac- teristics	1				9				4
3. Environmentally controversial	1				9				4,8
4. Uncertain and unknown risks	1				9				4,8
5. Establishes precedents	1				9				
6. Cumulatively significant	1				9				
7. National Register historic places	1				9				
8. Endangered/ threatened species	1				9				
9. Violate Federal, State, local, tribal law	1				9				4,8

CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

1. Surface Management Agency Input
2. Reviews Reports, or information received from Geological Survey
(Conservation Division, Geological Division, Water Resource Division,
Topographic Division)
3. Lease Stipulations/Terms
4. Application for Permit to Drill
5. Operator Correspondence
6. Field Observation
7. Private Rehabilitation Agreement
8. RECOMMENDED STIPULATIONS
9. EA. No 558-80 FOR AMOCO PROD. No. 1 Sec 26 T4S, R12W,
USM -U-16999

Amoco Production Co.
Well No. ~~2~~ 2
Sec. 26-4S-12W - USM
Wasatch County, Utah
Lease No. U-16999

Supplemental Stipulations:

1. Sufficient topsoil will be stockpiled to cover all disturbed areas at least 4 inches deep, unless bedrock is encountered, in which case 12 inches will be needed.

① 2. Garbage and all other solid wastes will be removed from the site and disposed of from the Forest in an appropriate disposal site.

3. A berm will be constructed above all cut slopes to prevent any overland water flow from entering the drill pad.

4. The entire disturbed pad area will be graded so that any runoff, spills, or precipitation will drain into the reserve pit.

5. The reserve pit will be constructed by total excavation. It will be dug to an adequate depth to hold runoff from the pad, about 30 inches of precipitation, and all drill mud and other effluents from the operation.

6. The reserve pit will be examined after construction by Amoco representatives, U.S.F.S. and/or U.S.G.S., to determine if lining is necessary.

② 7. If the reserve pit contents reach pit capacity, operations will cease until fluids can be removed to an appropriate disposal site.

③ 8. While the reserve pit is drying out after completion of drilling operations, it will be fenced deer and elk tight.

9. A 3 foot bermed ditch will be constructed along the low or eastern edge of the pad to keep spillage or storm runoff from entering the non-perennial tributary of Crooked Creek.

10. Any trees that must be removed to clear the access road will be marked by a Forest Officer.

④ 11. All vehicles will stay on the work pad and road premise.

12. The Forest Service will approve all culvert designs.

13. A U.S.F.S. road use permit will be necessary for use of the Indian Creek Road between the Forest Boundary and the leasehold, and must include road profile, horizontal alignment, typical road section and culvert construction drawings.

⑤ 14. An agreement with Water and Power Resources Service is necessary for use and maintenance of the Strawberry Recreation Area Road and rerouted Indian Creek Road over Strawberry Water Users Association lands.

④ 15. The lower portion of Indian Creek Road will be relocated on the northwest side of the creek to avoid disturbances to the stream and its riparian vegetation.

16. The abandoned portions of Indian Creek Road will be rehabilitated per U.S.F.S. and W.P.R.S. guidelines.

⑥ 17. Snow removal will be accomplished by using a snow blower, to reduce problems with snow build up on roadsides and erosion of road edges and saturation base material. Snow will be removed to the downhill side of the road. Openings will be created every 300 feet, to allow water to move through the snowbanks.

18. The newly constructed access road will follow the route reflagged at the onsite inspection. Realigned and constructed access roads will be limited to an 18 foot wide running surface. All road design and construction will follow guidelines agreed to in the U.S.F.S. road use permit.

⑦ 19. A pilot car will be necessary when large rigs are being moved on Forest roads.

20. All safety precautions and measures outlined in the H²S Contingency Plan will be adhered to. The following supplemental equipment and measures will be incorporated into the H²S Plan.

A. A ventilation fan will be used under the rig floor.

B. Two safety briefing areas, at least 200 feet from the well head, will be designated and arranged so that at least one area will always be upwind of the well.

C. Swabbing or drillstem testing fluids containing H²S will be processed through a separator, to permit flaring of gas.

D. Adequate supplies of H²S mud scavengers will be on location throughout drilling.

E. The complete H²S Contingency Plan will be implemented, including the installation of all safety equipment, when drilling has reached 1000 feet above the Park City formation, or within 7 days of penetrating, whichever is the lesser.

F. H²S detectors and alarms will be installed, as specified in the Contingency Plan, prior to spudding the well.

G. If H²S gas is discovered prior to Contingency Plan implementation, operations will cease until all safety equipment and plan procedures are operational.

21. Two flare pits, each a minimum of 150 feet from the nearest rig equipment, will be constructed downwind of the hole (East and Northeast).

8. Prior approval from the District Ranger is required for any water pumping stations.

9. An agreement is necessary to purchase water from Strawberry Water Users Association.

24. A cattle guard will be installed on the access road at the fence crossing in SW quarter, Section 25, T. 4S - R. 12W, USM.

10. Upon rehabilitation, any materials from the pits that are contaminated with toxic pollutants or oils, will be removed from the Forest and disposed of in a proper site. Soil from toxic spill areas will also be removed in the same manner.

11. At the completion of operations, all excess drilling materials (bentonite, mud, raw dust, etc.) will be removed.

12. If the well is abandoned, the drill pad and access road will be restored to blend into the natural grade.

13. Planting and seeding of the site, if abandoned, will be done with a Forest Service provided and approved species mix, after topsoil and fertilizer have been placed.

14. A 16-16-8 fertilizer at a rate of 100 lbs. per acre will be applied for rehabilitation.

15. If the well is a producer, those areas not needed for production, will be regraded to natural contours and reseeded with a U.S.F.S. approved species.

31. The cut slopes on the access road will be mulched per Forest Service specifications.

16. After drilling operations are completed, the site will be fenced to exclude livestock. If the site is abandoned the fence will be maintained for 5 to 6 years until it revegetates. If the well is a producer, the fence will be maintained for the life of the well, and a cattle guard installed where the fence crosses the access road.

17. If an economic field is discovered, development plans will be submitted to U.S.G.S. and U.S.F.S. in advance for review and approval.

18. Adequate and sufficient electric/radioactive logs will be run to locate and identify the prime oil shale horizons and solid and semi-solid bitumenes in the Green River formation. Casing and cementing programs will be adjusted to eliminate any potential influence of the well bore or productive hydrocarbon zones on the oil shale resource and solid and semi-solid bitumenes. Surface casing program may require adjustment for protection of fresh water aquifers.

19. If the well is completed for production, this office requires additional information on the production facilities, i.e. actual production facilities to be installed.

20. Due to the elevation of the wellsite, it is doubtful that the reserve pit would dry out as noted in Item 7 of the Surface Use Plan. Therefore, at the completion of drilling operations, all fluids contained in the reserve pit will be pumped out and removed to an adequate disposal site off Forest. A certain amount of mixing of dry material with the pit contents may be permitted during restoration with prior USFS approval.

STATE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. u-16999 Federal	
1b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		7. UNIT AGREEMENT NAME Strawberry River UNIT	
3. ADDRESS OF OPERATOR P.O. Box 17675 Salt Lake City, UT 84116		8. FARM OR LEASE NAME Strawberry River Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with an approved survey) At surface 1218' FNL & 1078' FEL At proposed prod. none NENE		9. WELL NO. #2	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE		10. FIELD AND POOL, OR WILDCAT Wildcat	
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drg. unit line, if any) 1078'		11. SEC., T., R., M., OR S.E. AND SURVEY OR AREA Sec. 26, T4S, R12W USM	
16. NO. OF ACRES OWNED OR INTERESTED IN WELL		12. COUNTY OR PARISH Wasatch -	
17. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		13. STATE Utah	
18. PROPOSED DEPTH 5000' Green River		14. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7989'		22. APPROX. DATE WORK WILL START March 21, 1982	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	5 7/8"	32.3# H-40	1600'	Circulated to surface * to be determined by logs *to be set below water flows and any lost circ. zones
8 1/2"		20# - 23#	5000'	

TIGHT
HOLEAPPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 3/17/82
E. J. Daniels

PROPOSE TO TEST FOR HYDROCARBON POTENTIAL

(See Attachments)

(Request exception to Rule C-3(c), General Rules & Regulations for State of Utah - subject well to be drilled as offset to #1 site based on geological interpretations. Amoco owns or controls all acreage within a 660' radius of the proposed site)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. Original Signed By
SIGNED G. W. CHAPMAN TITLE Administrative Supervisor DATE 3-5-82

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

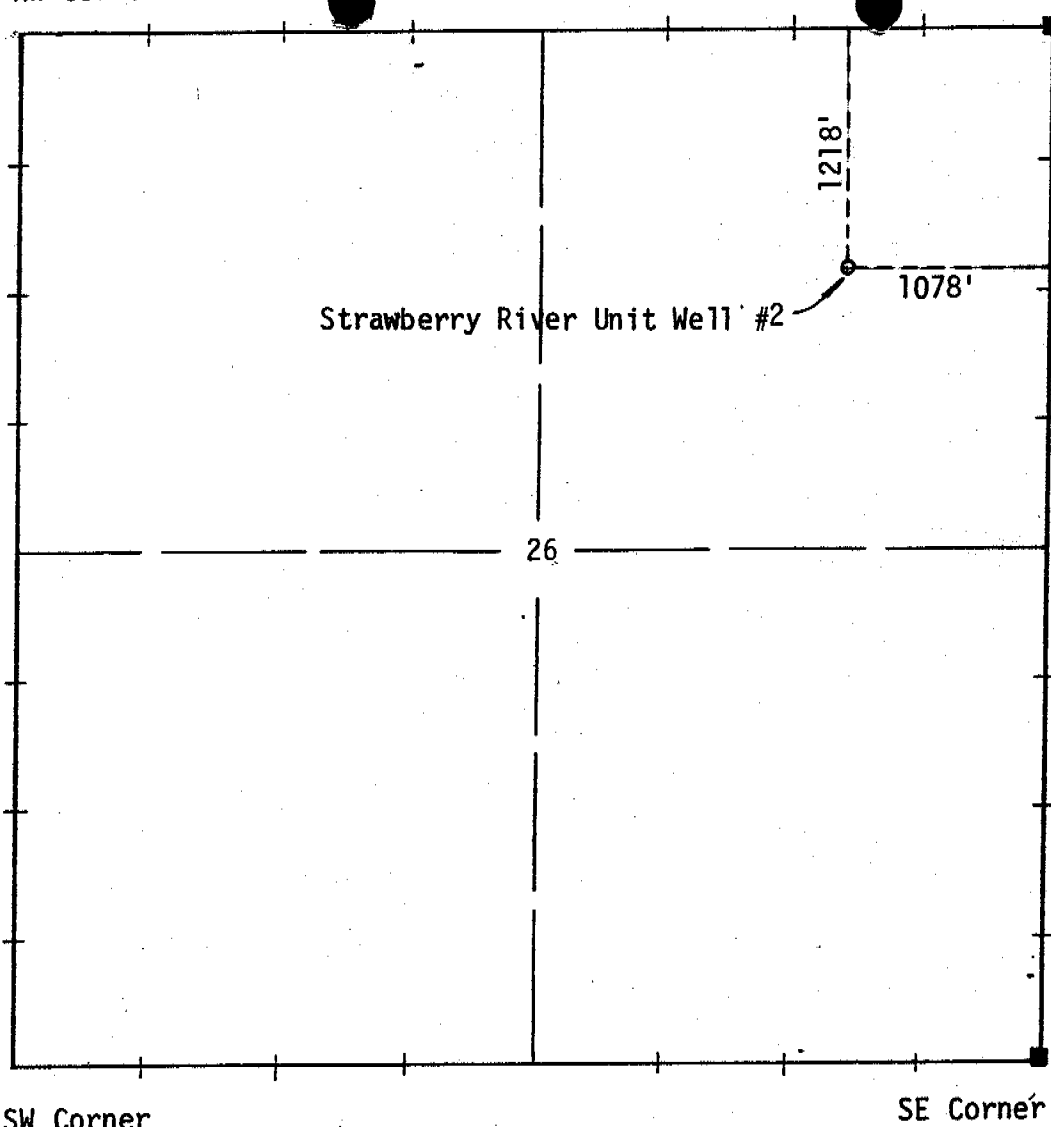
APPROVED BY TITLE DATE
CONDITIONS OF APPROVAL, IF ANY:

NW Corner

T 4 S

R 12 W

NE Corner



North, 5248.21'

SCALE: 1" = 1000'

- Found Brass Cap
- Found Stone
- ⊙ Set Brass Cap
- ⊙ Found Stone - Set Brass Cap
- Hub and Tack

I, John A. Proffit of Evanston, Wyoming certify that in accordance with a request from Doug Pitman of Evanston, Wyoming for Amoco Production Company I made a survey on the 14&15 day of February, 19 82 for Location and Elevation of the Strawberry River Unit Well #2 as shown on the above map, the wellsite is in the NE $\frac{1}{4}$ of Section 26, Township 4 S, Range 12 W of the Uintah Special Meridian, Wahsatch County, State of Utah, Elevation is 7989 Feet top of hub Datum U.S.G.S. Quadrangle - Strawberry Reservoir SW, Utah Intersection of Roads Elev. 7645' Sec. 25, T4S R12W

Reference point _____

Reference point _____

Reference point _____

Reference point _____

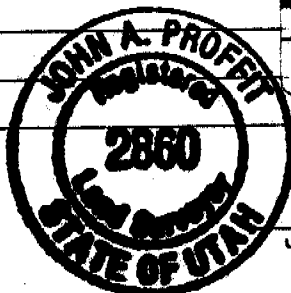


EXHIBIT "A"

John A. Proffit 2/17/82
JOHN A. PROFFIT UTAH R.L.S. NO. 2860

DATE: 2-17-82
JOB NO.: 82-10-7 (Bk 129)

UINTA ENGINEERING & SURVEYING, INC.
808 MAIN STREET, EVANSTON, WYOMING

ATTACHMENT TO FORM 9-331C

Strawberry River Unit No. 2

1) Geologic name of the surface formation: Green River

2) Estimated tops of geological markers:

Green River Gas Zone	4090'
Colton	4360'
Colton Oil Zone	4520'

3) Estimated depths to encounter water, oil, gas, or other mineral-bearing formations:

Possible Completion Interval - Green River	
Gas Zone	4090'
Colton Oil Zone	4520'

4) Casing Program: See Form 9-331C, Item #23

Weight Distributed as Follows:

<u>Hole Size:</u>	<u>Casing Size:</u>	<u>Weight/Grade:</u>	<u>Depth:</u>
12 1/4"	9 5/8"	32.3# H-40 ST&C	1600'
8 1/2"	7"	23# J-55 ST&C	80
	"	20# J-55 ST&C	3420'
	"	23# J-55 ST&C	1500'

5) Operators minimum specifications for pressure control equipment are explained on the attached schematic diagram. Testing of such is to be performed daily and noted on the IADC Daily Drilling Report. After running surface casing and prior to drilling out, the BOP will be tested to the full working pressure rating as shown on the attached schematic diagram. Thereafter the equipment will be checked daily for mechanical operations only and will be noted on the IADC Daily Drilling Report.

6) Mud Program:

0 - 1600'	Native, Spud, 8.3#-8.7#/gal. Viscosity as required to clean hole
1600' - TD	Low solid, non-dispersed, 8.7#-9.0#/gal. Viscosity to be 32-34 sec. API

7) Auxiliary Equipment:

Kelly cock; floor sub with full opening valve; 3" choke manifold with remote control choke; Mudlogging unit (2-man type)

8) Testing Program:

None

Logging Program:

DIFL/GR	Base of surface casing to TD
CDL/CNL/GR	" " " "
BHC/GR/CAL	" " " "
FIL	" " " "
Spectralog	" " " "

Coring Program:

One 60' core 4070' - 4130' (Green River Gas Zone)
One 90' core 4500' - 4590' (Colton Oil Zone)

Stimulation Program:

To be determined upon completion of drilling operations

- 9) No abnormal pressures, temperatures, or hydrogen sulfide gas is anticipated.
- 10) Anticipated starting date is March 21, 1982 (unit obligation) and duration of operations will be approximately 60 days.

SURFACE USE AND OPERATIONS PLAN - NTL-6

Strawberry River Unit No. 2

1) EXISTING ROADS:

- A. Proposed well site as staked: See Exhibit "A"
- B. Route and distance from nearest town or locatable reference to where well access route leaves main road: See Exhibit "B"
- C. Access road to location color-coded or labeled: See Exhibit "B"
- D. If exploratory well, all existing roads within a 3-mile radius of the proposed site: See Exhibit "B"
- E. Plans for improvement and/or maintenance of existing roads: Roads will be graded and maintained to prevent erosion. Gravel will be placed where required. Roads will be maintained in accordance with USFS specifications.

2) PLANNED ACCESS ROADS:

Amoco proposes to utilize all existing roads previously approved for the Strawberry River Unit #1 wellsite - no additional construction will be required.

3) LOCATION OF EXISTING WELLS:

- 1) Water wells: Sec. 26, T4S, R12W
- 2) Abandoned wells: Strawberry River Unit #1, Sec. 26, T4S, R12W
- 3) Disposal wells: None
- 4) Drilling wells: None
- 5) Producing wells: None
- 6) Shut-in wells: None
- 7) Injection wells: None

4) LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

A) Lessee operated/owned facilities within 1-mile radius:

- 1) Tank Batteries: None
- 2) Production Facilities: None
- 3) Oil Gathering Lines: None
- 4) Gas Gathering Lines: None

B) New Lessee operated/owned facilities in the event of production:

- 1) Proposed location of lines: See Exhibit "D"
- 2) Dimension of facilities: See Exhibit "D"
- 3) Construction methods and materials: Amoco and OSHA approved construction methods and materials will be utilized.
- 4) Protective measures and devices to protect livestock and wildlife - pit on Strawberry River Unit #1 location to be covered and fenced until dry then filled.

C) Plan for rehabilitation of disturbed areas no longer needed for operations after construction is completed - areas no longer needed will be leveled, recontoured and reseeded per USFS specifications.

5) LOCATION AND TYPE OF WATER SUPPLY:

- A) Water Well - Amoco proposes to utilize the water well originally drilled for the Strawberry River Unit #1 location.

6) SOURCE OF CONSTRUCTION MATERIALS:

No additional construction will be required for the #2 wellsite, the well will be drilled on the previously disturbed area for the Strawberry River Unit #1 well.

7) METHODS FOR HANDLING WASTE DISPOSAL:

- 1) Cuttings - to be contained in the reserve pit
- 2) Drilling Fluids - to be contained in the reserve pit
- 3) Produced fluids, oil and water - to be contained in the reserve pit until clean-up, then skimmed or burned as the situation dictates.
- 4) Sewage - contained in a pit and immediately backfilled
- 5) Garbage and other waste - contained in a wire-meshed burn basket and burned or buried.
- 6) Clean-up after rig removal - the surface of the drill pad will be graded. The "mouse" and "rat" holes, sewage, burn pits will all be filled as soon as possible, the reserve pit will be fenced on all four sides until dry, then filled, recontoured and seeded.

8) AUXILIARY FACILITIES:

None - Amoco does not propose a camp operation associated with this location

9) WELL SITE LAYOUT:

- 1) Drill pad cross section: See Exhibit "C" (same as #1 location)
- 2) Location of mud tanks, reserve pit, burn and trash pits, pipe racks, etc. See Exhibit "C" and "D"
- 3) Pits - all pits will be unlined

10) PLANS FOR RESTORATION OF SURFACE:

Amoco will comply with existing stipulations for rehabilitation and restoration of the Strawberry River Unit #1 location - all USFS specifications will be complied with.

- 11) Representative for Amoco Production Company is Mr. W.R. Halvorson, District Drilling Superintendent, P.O. Box 17675, Salt Lake City, Utah 84117. Telephone: 801-272-9253
- 12) I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by

AMOCO PRODUCTION COMPANY and it's contractors and sub-contractors in conformity with this plan, and the terms and conditions under which it is approved.

Date March 5, 1982 Name and Title W.R. Halvorson
District Drilling Superintendent

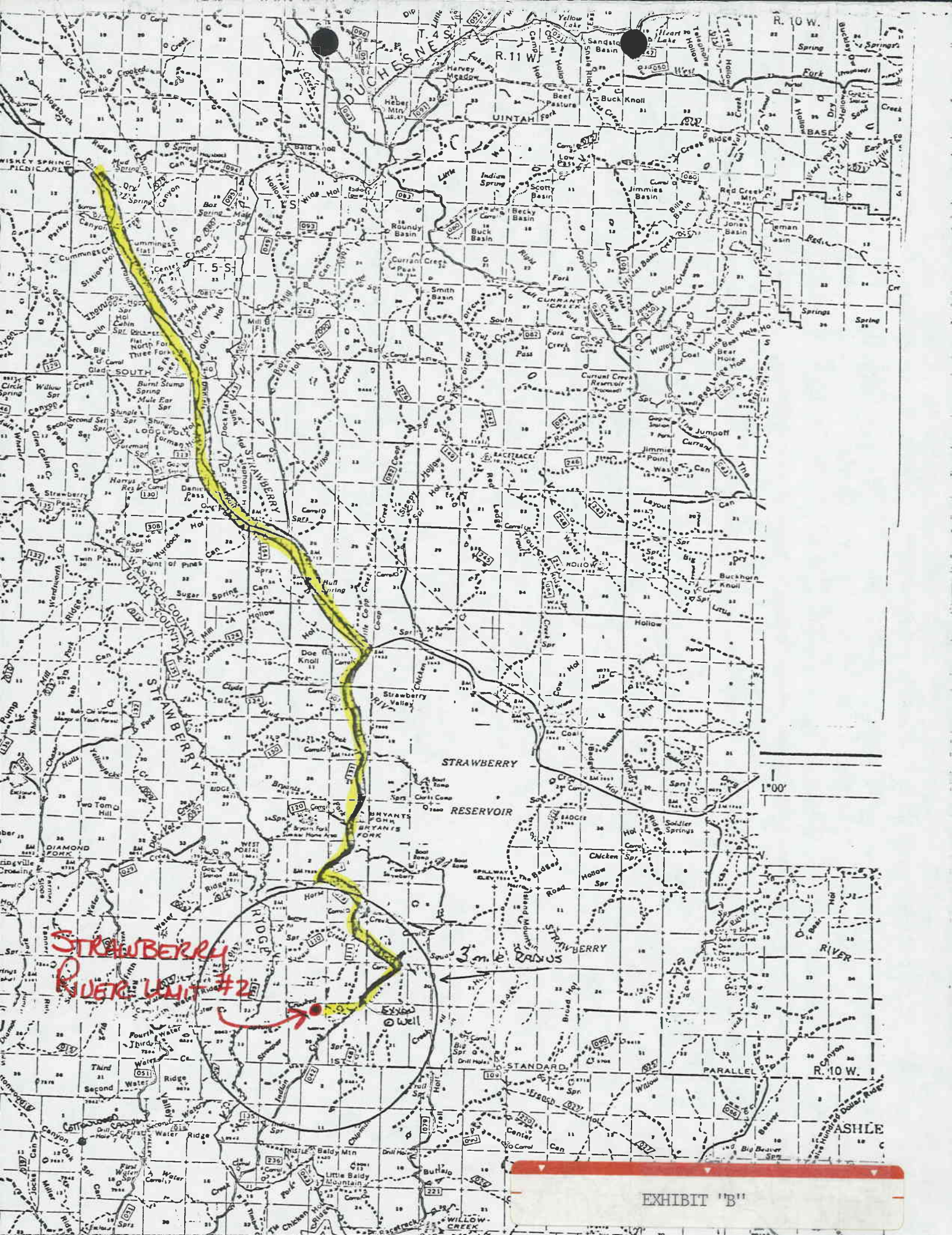
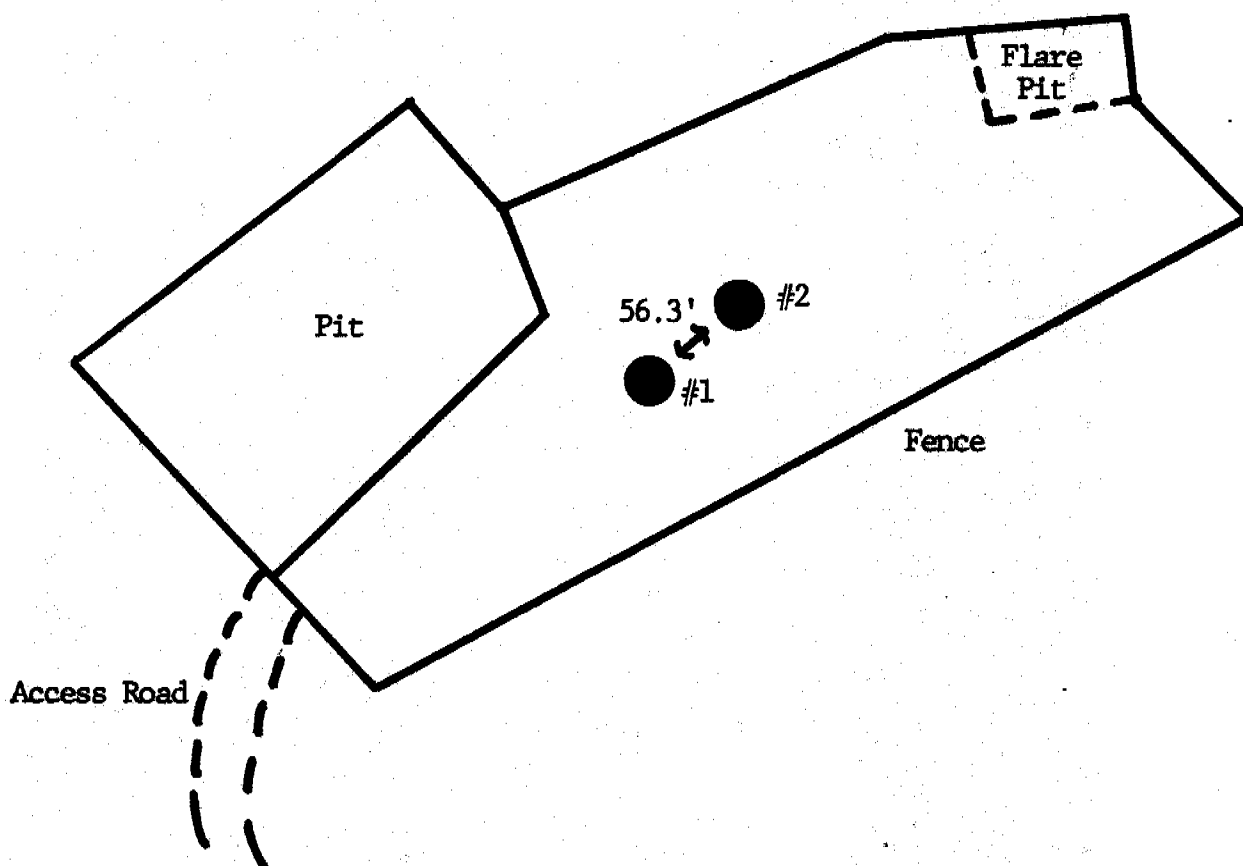


EXHIBIT 'B'

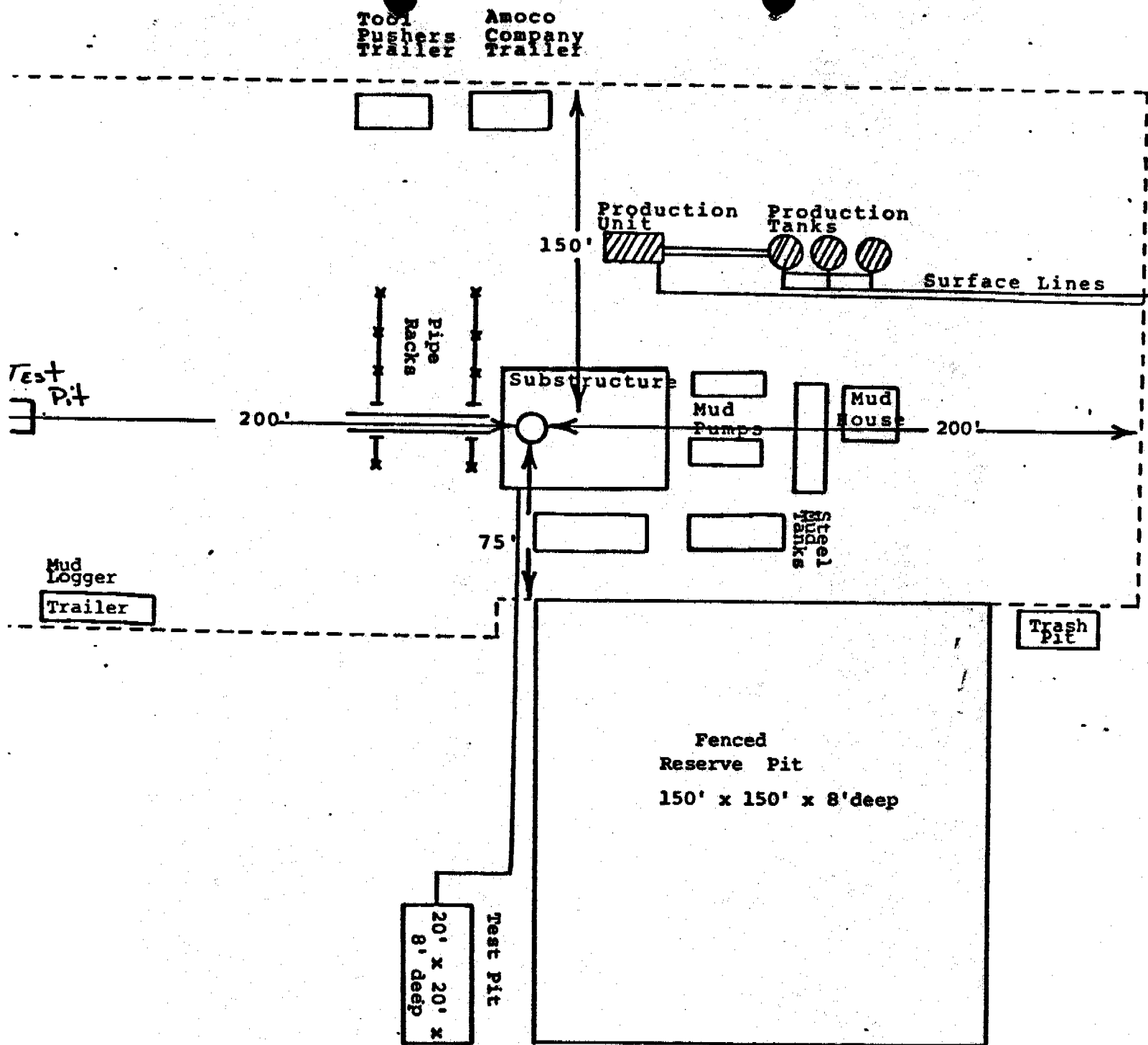
LOCATION LAYOUT

Strawberry River Unit #1 and #2 Locations
Sec. 26, T4S, R12W USM
Wasatch County, Utah

(1" = 50')



ENCLOSURE "C"



⊗ = Shows permanent production equipment to be installed after drilling rig has moved out.

----- Dotted lines indicated perimeter of leveled location.

The fenced pit used for production will be covered if any fluid is present. The drilling and production pads will be constructed with dozers and graders using native material.

TYPICAL
LOCATION
LAYOUT

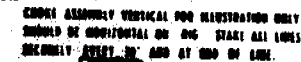
AMOCO PRODUCTION COMPANY
P. O. Box 17675
SALT LAKE CITY, UTAH 84117

EXHIBIT "D"

5,000 and 100,000.

1. DOMESTIC SUPPLY TO BE TO CONSIDERED
THAT IT CAN BE DERIVED WITHOUT THE OF A
WHEAT THROUGH SEVERAL TANKS OPENING;
WITH MINIMUM I.D. 2000;
TO PREVENTED MORE NEW LINE C

I WOULD LOVE TO BE CONSIDERED
INSTALLED IN MEAN.



- 1 BLOW OUT PORTWELDS AND ALL FITTINGS MUST BE IN GOOD CONDITION 5.000 psi W.P. MINIMUM.
- 2 ALL FITTINGS TO BE FLANGED BETWEEN CONNECTIONS DISCONNECTED FROM CABLES PUNISHABLE
- 3 SAFETY VALVE MUST BE AVAILABLE ON THE PEDOS AT ALL TIMES TWO PUMPED CONNECTIONS ON 100, VALVE ON 50 PULL DOWN 5.000 psi W.P. MINIMUM.
- 4 ALL CABLE AND LINE ENDS TO BE SECURELY ANCHORED ESPECIALLY ENDS OF CABLE LINES
- 5 EQUIPPED THROUGH WHICH ON MUST PASS SHALL BE AS LONG AS BEING DAMAGED BY THE CABLE BEING DRILLED THROUGH.
- 6 JULY CHECK ON BULKY.
- 7 EXTERIOR WHEELS AND HADY WHEELS TO BE PROPERLY INSTALLED AND OILCED AT ALL TIMES
- 8 TWO FLOOR BLOW-OUT PORTWELDS CONTROLS TO BE LOCATED AS CLOSE TO DOCKERS POSITION AS FEASIBLE.
- 9 BLOW-OUT PORTWELDS CLOSING EQUIPMENT TO INCLUDE ON GALLOW ACCUMULATORS, TWO WINDMILLS, SUCKERS OF DIFF. PRESS ON EACH CLOSING UNIT INDICATOR, AND MUST ALL HAVE SPECIFICATIONS.



9-20-19

CONFIDENTIAL

** FILE NOTATIONS **

DATE: 3-15-82

OPERATOR: Amoco Production Co.

WELL NO: Strawberry River Unit #2

Location: Sec. 25 T. 45 R. 12W County: Wasatch

File Prepared: ☒

Entered on N.I.D: ☒

Card Indexed: ☒

Completion Sheet: ☒

API Number 43-051-30013

CHECKED BY:

Petroleum Engineer: _____

Director: _____

Administrative Aide: Unit well

APPROVAL LETTER:

Bond Required: ☐

Survey Plat Required: ☐

Order No. _____

O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site ☐

Lease Designation Fed.

Plotted on Map ☐

Approval Letter Written ☐

Hot Line ☒

P.I. ☒

Claudia,

The Acoustilog,
Diplog, + Dipfrac log
were never ~~run~~ run on
this well due to bad
hole conditions.

Mark Johnson

March 19, 1982

Amoco Production Company
P. O. Box 17675
Salt Lake City, Utah 84117

RE: Well No. Strawberry River Unit #2
Sec. 25g T. 4 S, R. 24 W
Wasatch County, Utah 12

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

CLEON B. FEIGHT - Director
Office: 533-5771
Home: 466-4455

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-051-30013.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Ronald W. Daniel
Deputy Director

RWD/as
Encl.
cc: Minerals Mgt. Service

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-16999	
2. NAME OF OPERATOR Amoco Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P.O. Box 17675, Salt Lake City, Utah 84117		7. UNIT AGREEMENT NAME Strawberry River	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		8. FARM OR LEASE NAME Strawberry River Unit	
14. PERMIT NO. 43-051-30013		9. WELL NO. #2	
15. ELEVATIONS (Show whether OF, RT, GR, etc.) 7989' GR		10. FIELD AND POOL, OR WILDCAT Wildcat	
		11. SEC., T., R., M., OR S.E. AND SURVEY OR AREA Sec. 26, T4S, R12W USM	
		12. COUNTY OR PARISH Wasatch	
		13. STATE Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <u>Report of past operations</u> <input checked="" type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Report of monthly drilling operations as requested in May 3, 1983 letter:

Well	Depth	Operation
October 16, 1982	2,794'	Drilling
November 16, 1982	5,010'	Testing
December 16, 1982	5,010'	Testing
January 16, 1983	5,010'	Testing
February 16, 1983	5,010'	Temporarily Abandoned
March 16, 1983	5,010'	Temporarily Abandoned
April 16, 1983	5,010'	Temporarily Abandoned

TIGHT
HOLE

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Staff Admin. Analyst (SG)DATE 5/27/82

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

DIVISION OF OIL, GAS AND MINING

SPODDING INFORMATION

CONFIDENTIAL

NAME OF COMPANY: AMOCO Production Company

WELL NAME: Strawberry River Unit #2

SECTION NENE 26 TOWNSHIP 4 S RANGE 12 W COUNTY Wasatch

DRILLING CONTRACTOR CRC Colorado Well Service

RIG # 90

SPODDED: DATE 9-17-82

TIME 4:00 PM

How Rotary

DRILLING WILL COMMENCE

REPORTED BY Tracy Mosness

TELEPHONE #

DATE 9-20-82 SIGNED RJF

NOTICE OF SPUD

Company: Omoco Production
Caller: Terry Hosrness
Phone: 264-2214

Confidential

Well Number: #2
Location: NENE Sec 26-45-12W USM
County: Wasatch State: Utah
Lease Number: U-16999

Lease Expiration Date: _____

Unit Name (If Applicable): Strawberry River

Date & Time Spudded: 9-17-82 4⁰⁰ PM

Dry Hole Spudder/Rotary: Rotary

Details of Spud (Hole, Casing, Cement, etc.) _____

Rotary Rig Name & Number: Colorado Well Service #90

Approximate Date Rotary Moves In: _____

FOLLOW WITH SUNDRY NOTICE

Call Received By: WPM

Date: 9-20-82

RECEIVED

SEP 21 1982

DIVISION OF
OIL, GAS & MINING

PRELIMINARY REPORT

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
 DALLAS, TEXAS

PAGE 1

AMOCO PRODUCTION COMPANY

DATE : 10-20-82

FILE NO : 3807-000020

STRAWBERRY RIVER UNIT NO. 2
 WILDCAT
 WASATCH COUNTY, UTAH

FORMATION : GREEN RIVER
 DRLG. FLUID: AIR-MIST
 LOCATION : NE NE SEC. 26 T4S R12W

ANALYSTS : R. MOHL
 ELEVATION: 7989 GL

CONVENTIONAL ANALYSIS--BOYLE'S LAW POROSITY

SAMPLE NUMBER	DEPTH	PERM. TO AIR (MD) MAXIMUM VERTICAL	POR. H _e	FLUID SATS. OIL WTR	GRAIN DEN	DESCRIPTION			
CORE #1	1 3100.0-01.0	0.03	0.02	5.7	78.2	18.8	2.64	OVF	SHL SLTY LMY
	2 3101.0-02.0	<0.01	<0.01	4.9	60.7	35.9	2.54	OVF	SHL SLTY LMY
	3 3102.0-03.0	0.01	0.06	7.4	55.6	38.5	2.54	OVF	SHL SLTY
	3103.0-09.0								LOST CORE
	3109.0-21.0								DRILLED
CORE #2	4 3121.0-22.0		7.2	26.8	65.4		2.68	OVF	SHL SLTY LMY
	5 3122.0-23.0	0.02	0.98**	7.6	54.6	42.4	2.60	OVF	SHL SLTY LMY
	6 3123.0-24.0	<0.01	0.04	6.1	33.3	61.9	2.73	OVF	SHL SLTY V/LMY
	7 3124.0-25.0	0.01	0.18**	7.4	43.4	54.2	2.68	OVF	SHL SLTY V/LMY
	3125.0-91.0								DRILLED
CORE #3	8 4091.0-92.0	2.25**	<0.01	3.8	42.4	48.8	2.64	OVF	SHL SLTY V/LMY
	9 4092.0-93.0	<0.01	<0.01	2.4	27.2	54.4	2.73	OVF	SHL SLTY V/LMY
	10 4093.0-94.0	0.07	<0.01	7.5	33.7	53.9	2.68	OVF	SHL SLTY LMY
	11 4094.0-95.0	2.09**	<0.01	6.8	45.0	45.0	2.58	OVF	SHL SLTY V/LMY CALC INCL
	12 4095.0-96.0	0.26**	<0.01	5.5	50.6	37.1	2.57	OVF	SHL SLTY V/LMY
	13 4096.0-97.0	0.09	<0.01	4.3	57.1	33.5	2.59	OVF	SHL SLTY V/LMY

** DENOTES HAIRLINE FRACTURE PERMEABILITY
 OVF=OPEN VERTICAL FRACTURE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well ☐ gas well ☐ other

2. NAME OF OPERATOR

Amoco Production Company

3. ADDRESS OF OPERATOR

P. O. Box 17675, Salt Lake City, Utah 84117

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1304' FNL & 1158' FEL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☒

(other)

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☒

5. LEASE

U-16999

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Strawberry River

8. FARM OR LEASE NAME

Strawberry River Unit

9. WELL NO.

#2

10. FIELD OR WILDCAT NAME

Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 26, T4S, R12W, USM

12. COUNTY OR PARISH

Wasatch

13. STATE

Utah

14. API NO.

43-051-30013

15. ELEVATIONS (SHOW DF, KDB, AND WD)

7989' G.R.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Amoco Production Company herewith advises that the subject well was plugged and abandoned on 1-20-83 in the following manner:

TD: 5010'

Casing: 7" SA 4995'

Plugs: (See Attachment "A")

Formation Tops: Green River SFC
Wasatch 4690'

**TIGHT
HOLE**

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED James Smith TITLE Staff Admin Analyst (SG) DATE 4-27-83

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

ATTACHMENT "A"
STRAWBERRY RIVER UNIT #2
SUBSEQUENT REPORT OF ABANDONMENT

Plugs Set as Follows:

<u>From</u>	<u>To</u>	<u>SX Cement</u>
SFC	260'	50 SX
2500'	3488'	250 SX
3505'	3631'	200 SX
4010'	4025'	CIBP with 2 SX
4320	4335'	CIBP with 2 SX
4650'	4665'	CIBP with 2 SX
4830'	4845'	CIBP with 2 SX
4995'	5010'	50 SX

Verbal approval to Steve Mahaffey, Amoco, from W. P. Martens, BLM Oil and Gas and Ron Firth, Utah Oil and Gas Conservation Commission, January 18, 1983 at 3:40 p.m.



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Felght, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

May 3, 1983

Amoco Production Company
P. O. Box 17675
Salt Lake City, Utah 84117

Re: Well No. Strawberry River Unit # 2
Sec. 26, T. 4S, R. 12W.
Wasatch County, Utah
(October 1982- April 1983)

Gentlemen:

Our records indicate that you have not filed the monthly drilling reports for the months indicated above on the subject well.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U.S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

We will be happy to acknowledge receipt of response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a firm second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Well Records Specialist

CF/cf
Enclosure

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

8

5. LEASE DESIGNATION AND SERIAL NO.

U-16999

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Strawberry River

8. FARM OR LEASE NAME

Strawberry River Unit

9. WELL NO.

#2

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 26, T4S, R12W

12. COUNTY OR PARISH

Wasatch

13. STATE

Utah

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR

Amoco Production Company

3. ADDRESS OF OPERATOR

P.O. Box 829, Evanston, Wyoming 82930

NOV 13 1984

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1304' FNL & 1158' FEL

At top prod. interval reported below

At total depth

Footages OK per BLM

14. PERMIT NO.

43-051-30013X

DATE ISSUED

3-19-82

DIVISION OF OIL
GAS & MINING

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RES, ST, GR, ETC.)* 19. ELEV. CASINGHEAD

9-17-82

11-8-82

1-22-83

7989' GR

20. TOTAL DEPTH, MD & TVD 21. PLUG BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 24. ROTARY TOOLS 25. CABLE TOOLS

5010' MD 4990' TVD

4980' MD 4960' ND

0

X

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

NONE - Well Plugged and Abandoned

CONFIDENTIAL

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIL/GR CNL/FDC/GR/CAL

ACC

OFF

CEL

CBV

Sua

Simple

Yes

25. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	54.5	385'	17 1/2"	480sx Glass G	
9 5/8"	40	1721'	12 1/4"	250sx Glass G	
7"	23	4995'	7"	189 BBL) 7.4 ppg Glass	
				GW/Bubbles, 100 bbl Glass G	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

SEE ATTACHED

TIGHT
NO LEAK

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
SEE ATTACHED	

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
None P & A'd						P & A'd	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

D.B. Blum

TITLE

District Drilling Engineer

DATE

050884

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

DST - None

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CURSION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38.	GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
Green River	SFC	4690'	Cored 3100-3109, 3121-3125 Rec. 13'	Green River	Surface		
Wasatch	4918'	4954'	Perf., Acidized, Rec 44 BNW, no shows	Wasatch	4690		
Wasatch	4694'	4716'	Perf, Acidized, Rec 154 BNW, no shows				
Green River & Wasatch	4364'	4400'	Perf, Acidized, Rec 115 BNW, no shows				
Green River	4078'	4092'	Perf, Acidized, Rec 117 BNW, trace gas				
Green River	3468'	3631'	Perf, Acidized, Rec 189 BNW, small amts of gas				
Green River	3340'	3364'	Perf, Acidized, REC 178 BNW, trace gas				
Green River	3182'	3189'	Perf, Rec 335 BNW, no shows				

#31. Performance Record (Interval, size and number)

4918-24'	4948-54'	4 JSPF w/2" guns
4694-716'		4 JSPF w/2" guns
4364-74', 4390-400'		4 JSPF w/2" guns
4078-92'		4 JSPF w/4" guns
3468-74', 3482-88'		4 JSPF w/2" guns
3534-36', 3539-44',		
3624-31'		4 JSPF w/4" guns
3340-64'		4 JSPF w/4" guns
3182-89'		4 JSPF w/4" guns

#32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

Depth Interval (MD)

Amount and Kind of Material Used

4918-24'	1000 gal 15% HCL
4694-716'	1750 gal 15% HCL
4364-74', 4390-400'	1500 gal 15% HCL
4078-92'	1050 gal 15% HCL
3468'-3631'	SQZ w/200sx Class G
3340-64'	2500 gal 15% HCL
3264-3266'	SQZ w/50sx Class G
3182-89'	SQZ w/100sx Class G

**TIGHT
HOLE**

Amoco Strawberry River Unit #2
NE NE 26-T4S-R12W, U.S.M. Wasatch Co., Utah
KB 8,008 TD 5,010

GREEN RIVER FM. - surface
COLTON FM. - 4,690' depth
TD IN COLTON FM.

Formation	Test No.	Interval	Recovery	Stimulation	Shows	Water Salinity
Colton	1	4948-4954 4918-4924	100 bbls. load wtr. 44 bbls. fm. wtr.	Acidized	None	1,000 ppm Cl ⁻
Colton	2	4694-4716	88 bbls. load wtr 154 bbls. fm. wtr	Acidized	None	2,000 ppm Cl ⁻
Green River	3	4390-4400 4364-4374	88bbls. load wtr. 115 bbls. fm. wtr.	Acidized	Tr. of tar +2' gas flare	1,500 ppm Cl ⁻
Green River	4	4078-4092	74 bbls. load wtr. 422 bbls. fm. wtr Flowed gas(see show description)	Acidized	Flowed 1,2 MMCFGPD + 1 BWPH for first day. Flowed 100 MCFGPD + 10 BWPH on 2nd day. After acidizing: would not flow gas. Swabbed gas cut water	1,200 ppm Cl ⁻
Green River	5	3624-3631 3539-3544 3534-3536 3482-3488 3468-3474	25 bbls. load wtr. 181 bbls. fm. wtr. Flowed gas(see show description)	None	Flowed 1,0 MMCFGPD + 1 BWPH for 1½ days. Flow dropped to 84 MCFGPD and 13 BWPH. Temp. survey indicates that 3482-88 was producing most of the gas.	1,300 ppm Cl ⁻
Green River	6	3340-3364	75 bbls. load wtr. 160 bbls. fm. wtr. Flowed gas(see show description)	Acidized	Flowed 20 MCFGPD before acid. Flowed 20 MCFGPD + 20 BWPH after acid	720 ppm Cl ⁻
Green River	7	3182-3189	335 bbls. fm. wtr.	None	None	400 ppm Cl ⁻
Green River (retested 3482-3488)	8	3482-3488	21 bbls. load wtr. 269 bbls. fm. wtr.	None	Would not flow gas. Swabbed gas cut water	no reliable Cl ⁻ value